

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M115910
Date Received: 03/08/07
Date Extracted: 03/09/07
Date Analyzed: 03/09/07
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M115910, F&BI 703070
Lab ID: 703070-01
Data File: 703070-01.053
Instrument: ICPMS1
Operator: HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	106	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	314
Nickel	195
Copper	107
Zinc	<50

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	PO# M115910, F&BI 703070
Date Extracted:	03/09/07	Lab ID:	I7-85 mb
Date Analyzed:	03/09/07	Data File:	I7-85 mb.008
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	HR

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	83	60	125
Indium	74	60	125
Bismuth	78	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<5

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ENVIRONMENTAL CHEMISTS

Date of Report: 03/21/07

Date Received: 03/08/07

Project: Metro Self Monitor, PO# M115910, F&BI 703070

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS BY EPA METHOD 200.8

Laboratory Code: 703051-03 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	6.11	6.37	4	0-20
Nickel	ug/L (ppb)	21.1	20.5	3	0-20
Copper	ug/L (ppb)	1.28	1.21	6	0-20
Zinc	ug/L (ppb)	<5	<5	nm	0-20

Laboratory Code: 703051-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	6.11	88 b	50-150
Nickel	ug/L (ppb)	20	21.1	89 b	50-150
Copper	ug/L (ppb)	20	1.28	78	50-150
Zinc	ug/L (ppb)	50	<5	73	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	114	70-130
Nickel	ug/L (ppb)	20	120	70-130
Copper	ug/L (ppb)	20	118	70-130
Zinc	ug/L (ppb)	50	112	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 21, 2007



INVOICE #07ACU0321-3

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M115910, F&BI 703070 - Results of testing
requested by Gerry Thompson for material submitted on March 8, 2007.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 200.8 @ \$80 per sample	\$ 80.00
Rush Charges (4 day) 60% of \$80.00	<u>48.00</u>
Amount Due	\$ 128.00

FEDERAL TAX ID # (b) (6)

SAMPLE CHAIN OF CUSTODY

ME 03-08-07 AL4

703070
Send Report To Gerald Thompson
Company Alaskan Copper Works
Address 628 S Amundson St
City, State, ZIP Seattle WA 98134
Phone # 206-574-6033 Fax # 206-582-8379

SAMPLERS (signature) <u>[Signature]</u>	
PROJECT NAME/NO. <u>Metro Self monitor</u>	PO # <u>M115910</u>
REMARKS <u>Fax Results</u>	

Page # _____ of _____
TURNAROUND TIME <input type="checkbox"/> Standard (2 Weeks) <input checked="" type="checkbox"/> RUSH <u>7 day</u>
Rush charges authorized by: _____
SAMPLE DISPOSAL <input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Return samples <input type="checkbox"/> Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes		
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS							
M 115910		3/8/07	1230	H2O	1								X COCA, NTZ					
							</											

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>GERALD Thompson</u>	<u>ACW</u>	<u>3/8/07</u>	<u>1:30 PM</u>
Received by: <u>[Signature]</u>	<u>DO VO</u>	<u>FBI</u>	<u>4</u>	<u>1:30 PM</u>
Relinquished by:				
Received by:				

Samples received at 19 °C

FRIEDMAN & BRUYA, INC.

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March 21, 2007

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134


Dear Mr. Thompson:

Included are the results from the testing of material submitted on March 8, 2007 from the Metro Self Monitor, PO# M115910, F&BI 703070 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0321R